

BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE		Number: LS-SDL-003	Revision: B
		Effective: 10/14/2002	Page 1 of 2
Subject: SDL Operator Training Certification Check List			
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*Document must contain approved signatures for validity

SDL OPERATOR TRAINING CERTIFICATION CHECK LIST

Completion of the items on this checklist and the signature of an authorized trainer will constitute the record of certification for an individual to be a qualified operator of the SDL.

Minimum Systems Knowledge requirements for qualified operators:

- ☐ 1. Become familiar with linac personnel interlock system - become certified to sweep and secure accelerator vault.
- ☐ 2. Learn where the crash buttons are - emergency power shutdown.
- ☐ 3. Learn layout and indicated levels of SDL ionizing radiation monitoring system.
- ☐ 4. Study and train on the operating system.
- ☐ 5. Become familiar with component and indicator layout in the control area.

OJT requirements for operator certification:

- ☐ 1. Controlled turn-on and shutdown sequences of linac components
- ☐ 2. Operating ranges of linac components and normal operating conditions.
- ☐ 3. Sequence of steps for resetting trips.

SDL Operator Duties:

- ☐ 1. Search and secure the accelerator vault
- ☐ 2. Operate the linac
- ☐ 3. Maintain a log of machine status, trips (especially in the later stages of turn-on, when these become less frequent), and special or unusual operating conditions.
- ☐ 4. Shut down any part of the facility within their area of control which may present a safety hazard until that hazard has been removed.

Number: LS-SDL-0003	Revision: B	Effective: 10/14/02	Page 2 of 2

SDL Operator Emergency Response:

All the SDL Operators should be familiar with the SDL emergency planning procedure (LS-SDL-0028). The SDL Operator serves as the senior SDL person during an emergency. He/she also assumes the functions of the **Acting Local Emergency Coordinator** whenever building fire alarms sound or other emergency conditions have been identified or are suspected. The Operator shall:

- ☐ 1. Shut down accelerator if Building 729 is evacuated or if continued operation of the machine impedes or complicates response to the emergency.
- ☐ 2. If evacuation of Building 729 is necessary, go to the indoor or outdoor assembly area (as appropriate), and assure that all building occupants have evacuated. The Operator should identify him/herself as the SDL Acting Local Emergency Coordinator, and provide information and support to BNL Emergency Personnel.
- ☐ 3. Contact SDL and NSLS management as soon as practical during any emergency condition and advise of the situation.

Trained Operator

Date

Authorized Trainer

Date

[Revision/Review Log](#)

Website maintained by [Laura Miller](#). Revision date: 10/11/2002

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